

Claims

1. An optical lens (1) with an embossed fine structure (2) extending in undulating form on its optically active surface, wherein a microstructure (3) extending in undulating form is embossed onto the fine structure (2).

2. The optical lens of claim 1, in which the fine structure (2) has a roughness in the range from 1-10 μm .

3. The optical lens of claim 1 or 2, in which the microstructure (3) has a roughness (h) in the range from 0.1-2.5 μm .

4. The optical lens of one of claims 1-3, in which the fine structure (2) extends radially outward, beginning at the optical axis of the lens (1).

5. The optical lens of one of claims 1-4, in which the microstructure (3) is disposed concentrically about the optical axis of the lens (1).

6. The optical lens of one of claims 1-5, in which the fine structure (2) and the microstructure (3) are embossed in a surface region (4) extending concentrically about the axis of the lens (1).

7. The optical lens of claim 6, in which the surface region (4) is concentric to the optical axis on the aspherical side of the lens (1).

8. The optical lens of one of claims 4-7, in which the

roughness of the fine structure (2) decreases from the optical axis of the lens to its periphery.

9. The optical lens of claim 7, in which the roughness of the fine structure (2) of the region oriented toward the optical axis of the lens (1) decreases toward the region oriented toward the periphery of the lens (1).